

SYSTEM AND METHOD OF PROCESSING STRUCTURED TEXT FOR TEXT-TO-SPEECH SYNTHESIS

ABSTRACT OF THE DISCLOSURE

5 A method for processing structured text is provided. Tokenized text is created
from structured text in accordance with a predetermined set of tokenizer rules set forth
in a token pattern knowledge base (13), in which each tokenizer rule defines a simplex
constituent. Parsed text is created from tokenized text in accordance with a
predetermined set of parser rules set forth in a parser rule knowledge base (15), in
which each parser rule defines a complex constituent. Processed text is created from
10 parsed text in accordance with a predetermined set of interpreter rules set forth in an
interpretation knowledge base (17), in which each interpreter rule defines a message
element corresponding to a simplex or complex constituent, whereby the processed
text identifies and provides an interpretation of the message elements of the
corresponding structured text for a useful purpose, such as text-to-speech synthesis.